

13/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014228158 **Image available**
WPI Acc No: 2002-048856/200206
Related WPI Acc No: 2001-570797
XRPX Acc No: N02-036172

Data delivery method for legacy computer system used in e-commerce application, involves modifying applications of legacy system and running modified applications so that data is output in extensive mark-up language format

Patent Assignee: ELECTRONIC DATA SYSTEMS CORP (ELDA-N)

Inventor: BALLANTYNE A M ; HINES L M ; SMITH M K

Number of Countries: 101 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010044811	A1	20011122	US 2000522277	A	20000309	200206 B
			US 2001840727	A	20010423	
WO 200286706	A1	20021031	WO 2002US12617	A	20020423	200272
EP 1381945	A1	20040121	EP 2002726784	A	20020423	200410
			WO 2002US12617	A	20020423	
AU 2002257192	A1	20021105	AU 2002257192	A	20020423	200433
MX 2003009712	A1	20040201	WO 2002US12617	A	20020423	200473
			MX 20039712	A	20031023	
ZA 200308238	A	20041124	ZA 20038238	A	20031022	200481
BR 200209092	A	20050209	BR 20029092	A	20020423	200516
			WO 2002US12617	A	20020423	
IN 200301727	P1	20051014	WO 2002US12617	A	20020423	200580
			IN 2003DN1727	A	20031021	

Priority Applications (No Type Date): US 2001840727 A 20010423; US 2000522277 A 20000309

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010044811	A1		24	G06F-015/00	CIP of application US 2000522277
WO 200286706	A1	E		G06F-009/44	
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW					
EP 1381945	A1	E		G06F-009/44	Based on patent WO 200286706
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR					
AU 2002257192	A1			G06F-009/44	Based on patent WO 200286706
MX 2003009712	A1			G06F-009/44	Based on patent WO 200286706
ZA 200308238	A		77	G06F-000/00	
BR 200209092	A			G06F-009/44	Based on patent WO 200286706
IN 200301727	P1	E		G06F-017/60	

Abstract (Basic): US 20010044811 A1

NOVELTY - A data model of the legacy computer system application is generated. The model is mapped to an extensible mark up language (XML) schema. The applications of the legacy system are automatically modified and are run so that data written in document object model is output in XML format.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Data delivery system;
- (b) Data outputting system;
- (c) Data outputting method;
- (d) Legacy computer system modeling method;
- (e) Legacy computer system modeling system

USE - For outputting data from legacy computer system used in enterprise application integration (EAI), electronic bill presentation and payment (EBPP), archival of billing statements in business intelligence, etc.

ADVANTAGE - Direct generation of XML formatted data reduces friction in information networks, reduces cost of tracking information, reduces time associated with obtaining business intelligence. Customers can automatically analyze their suppliers for vendor relationship management, suppliers can automatically analyze their customers for customer relationship management and manufacturers can automatically analyze markets for their products for market intelligence by making data available in semantically meaningful form.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart of the generation of modified legacy program applications to output XML data.
pp; 24 DwgNo 2/9

Title Terms: DATA; DELIVER; METHOD; COMPUTER; SYSTEM; APPLY; MODIFIED;
APPLY; SYSTEM; RUN; MODIFIED; APPLY; SO; DATA; OUTPUT; EXTEND; MARK; UP;
LANGUAGE; FORMAT

Derwent Class: T01; T05

International Patent Class (Main): G06F-000/00; G06F-009/44; G06F-015/00;
G06F-017/60

File Segment: EPI

Set	Items	Description
S1	3287751	LEGACY OR LEGACIES OR COBOL OR ANTIQU???? OR OLD OR EXIST?-??
S2	50600	XML OR (EXTENSIBLE OR EXTENDED) () (MARKUP OR MODEL??? OR LANGUAGE? ?)
S3	54652	DOM? ? OR (DOCUMENT()OBJECT() (MODULE? ? OR MODEL??? OR MARK()UP? ?)) OR (TREE? ?(2N)OBJECT? ?) OR JDOM? ? OR OBJECT()ORIENTED()MODULE? ? OR XMLDOM? ?
S4	2631	XSLT? ? OR STYLESHEET? ? OR STYLE()SHEET? ? OR XSL()TRANSFORMATION? ?
S5	948102	(EDIT???? OR ALTER?????? OR ADJUST???? OR CHANG???? OR TRANSFORM???? OR REFORMAT???? OR FORMAT???? OR READJUST???? OR ADAPT???? OR CUSTOMIZ???? OR CUSTOMIS???? OR MODIF?????? OR CONVERS??? OR CONVERT??? OR TRANSLAT???) (5N) (APPLICATION? ? - OR PROCEDURE?
S6	12636	((PRINT??? OR WRIT??? OR WROTE OR OUTPUT???? OR TYPE OR TYPING OR TYPED OR DISPLAY??? OR SHOW??? OR (PROVIDE OR PROVIDING OR PROVIDED OR PROVISION) (2N) (RESULT? ? OR SOLUTION? ? OR ANSWER? ? OR RESPONSE? ?) OR PRESENT????? OR REPRESENT????? OR PRODUC???? O
S7	8253	((PRINT??? OR WRIT??? OR WROTE OR OUTPUT???? OR TYPE OR TYPING OR TYPED OR DISPLAY??? OR SHOW??? OR (PROVIDE OR PROVIDING OR PROVIDED OR PROVISION) (2N) (RESULT? ? OR SOLUTION? ? OR ANSWER? ? OR RESPONSE? ?) OR PRESENT????? OR REPRESENT????? OR PRODUC???? O
S8	768	((PRINT??? OR WRIT??? OR WROTE OR OUTPUT???? OR TYPE OR TYPING OR TYPED OR DISPLAY??? OR SHOW??? OR (PROVIDE OR PROVIDING OR PROVIDED OR PROVISION) (2N) (RESULT? ? OR SOLUTION? ? OR ANSWER? ? OR RESPONSE? ?) OR PRESENT????? OR REPRESENT????? OR PRODUC???? O
S9	539	S1 AND S5 AND (S6 OR S7 OR S8)
S10	107	S1 AND (S5(10N) (S6 OR S7 OR S8))
S11	91	RD (unique items)
S12	20	S11 AND (PY<2000 OR PD<19990309)
S13	17	(COBOL AND S5 AND (S6 OR S7 OR S8)) NOT S12
S14	13	RD (unique items)
S15	0	(CTG AND S1 AND (S2 OR S3 OR S4)) NOT (S12 OR S14)
S16	0	AU=((BALLANTYNE A? OR BALLANTYNE, A?) AND (SMITH, M? OR SMITH M?) AND (HINES, L? OR HINES L?))
S17	3	AU=(BALLANTYNE A? OR BALLANTYNE, A? AND SMITH, M? OR SMITH M? OR HINES, L? OR HINES L?) AND S1 AND (S2 OR S3 OR S4)

? show files

File 2:INSPEC 1898-2006/Jun W2
(c) 2006 Institution of Electrical Engineers

File 6:NTIS 1964-2006/Jun W2
(c) 2006 NTIS, Intl Cpyrght All Rights Res

File 8:EI Compendex(R) 1970-2006/Jun W2
(c) 2006 Elsevier Eng. Info. Inc.

File 34:SciSearch(R) Cited Ref Sci 1990-2006/Jun W2
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File 56:Computer and Information Systems Abstracts 1966-2006/Jun
(c) 2006 CSA.

File 57:Electronics & Communications Abstracts 1966-2006/Jun
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File 60:ANTE: Abstracts in New Tech & Engineer 1966-2006/Jun
(c) 2006 CSA.

File 65:Inside Conferences 1993-2006/Jun 19
(c) 2006 BLDSC all rts. reserv.

File 94:JICST-EPlus 1985-2006/Mar W3

(c)2006 Japan Science and Tech Corp(JST)
File 95:TEME-Technology & Management 1989-2006/Jun W2
(c) 2006 FIZ TECHNIK
File 99:Wilson Appl. Sci & Tech Abs 1983-2006/May
(c) 2006 The HW Wilson Co.
File 111:TGG Natl.Newspaper Index(SM) 1979-2006/Jun 08
(c) 2006 The Gale Group
File 144:Pascal 1973-2006/May W4
(c) 2006 INIST/CNRS
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 636:Gale Group Newsletter DB(TM) 1987-2006/Jun 16
(c) 2006 The Gale Group
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1235177 EDIT????
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3191845 FORMAT????
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? OR CODE? ? OR FUNCTION? ? OR TASK? ?)

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 183158 PROVISION
 13686007 RESULT? ?
 4549357 SOLUTION? ?
 279569 ANSWER? ?
 3573655 RESPONSE? ?
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 OR RESPONSE? ?)
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 50600 S2
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 OR VIEW???) (10N) S2

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 OR VIEW???) (10N) S3

552779 PRINT???
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 S8 768 ((PRINT??? OR WRIT??? OR WROTE OR OUTPUT???? OR TYPE OR
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 OR VIEW???) (10N) S4

Set	Items	Description
S1	350992	LEGACY OR LEGACIES OR COBOL OR ANTIQU???? OR OLD OR EXIST?-??
S2	4382	XML OR (EXTENSIBLE OR EXTENDED) () (MARKUP OR MODEL??? OR LANGUAGE? ?)
S3	21153	DOM? ? OR (DOCUMENT()OBJECT() (MODULE? ? OR MODEL??? OR MARK()UP? ?)) OR (TREE? ?(2N)OBJECT? ?) OR JDOM? ? OR OBJECT()ORIENTED()MODULE? ? OR XMLDOM? ?
S4	478	XSLT? ? OR STYLESHEET? ? OR STYLE()SHEET? ? OR XSL()TRANSFORMATION? ?
S5	210180	(EDIT???? OR ALTER????? OR ADJUST???? OR CHANG???? OR TRANSFORM???? OR REFORMAT???? OR FORMAT???? OR READJUST???? OR ADAPT???? OR CUSTOMIZ???? OR CUSTOMIS???? OR MODIF????? OR CONVERS??? OR CONVERT??? OR TRANSLAT???) (5N) (APPLICATION? ? - OR PROCEDURE?
S6	1495	((PRINT??? OR WRIT??? OR WROTE OR OUTPUT???? OR TYPE OR TYPING OR TYPED OR DISPLAY??? OR SHOW??? OR (PROVIDE OR PROVIDING OR PROVIDED OR PROVISION) (2N) (RESULT? ? OR SOLUTION? ? OR ANSWER? ? OR RESPONSE? ?) OR PRESENT????? OR REPRESENT????? OR PRODUCE???? O
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S8	233	((PRINT??? OR WRIT??? OR WROTE OR OUTPUT???? OR TYPE OR TYPING OR TYPED OR DISPLAY??? OR SHOW??? OR (PROVIDE OR PROVIDING OR PROVIDED OR PROVISION) (2N) (RESULT? ? OR SOLUTION? ? OR ANSWER? ? OR RESPONSE? ?) OR PRESENT????? OR REPRESENT????? OR PRODUCE???? O
S9	27	S1 AND S5 AND (S6 OR S7 OR S8)
S10	0	S9 NOT (AD=(19990309:20020309) OR AD=(20020310:20050310) OR AD=(20050310:20060619))
S11	51	(S1 AND S5 AND (S2 OR S3 OR S4)) NOT S9
S12	3	S11 NOT (AD=(19990309:20020309) OR AD=(20020310:20050310) - OR AD=(20050310:20060619))
S13	4	(AU=((BALLANTYNE A? OR BALLANTYNE, A?) AND (SMITH, M? OR SMITH M?) AND (HINES, L? OR HINES, L?))) NOT S12
S14	1	(AU=(BALLANTYNE A? OR BALLANTYNE, A? AND SMITH, M? OR SMITH M? OR HINES, L? OR HINES L?) AND S1 AND (S2 OR S3 OR S4)) NOT S13
S15	32	(COBOL AND S5 AND (IC=(G06F-015/00 OR G06F-009/44 OR G06F--000/00 OR G06F-017/60) OR MC=T01 OR MC=T05)) NOT S12:S14
S16	18	S15 NOT (AD=(19990309:20020309) OR AD=(20020310:20050310) - OR AD=(20050310:20060619))

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File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)

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File 350:Derwent WPIX 1963-2006/UD,UM &UP=200638

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62278 EDIT????
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 1168343 ADJUST????
 1415540 CHANG????
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 ? OR CODE? ? OR FUNCTION? ? OR TASK? ?)

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 488902 RESPONSE? ?
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 S6 1495 ((PRINT??? OR WRIT??? OR WROTE OR OUTPUT???? OR TYPE OR
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988416 PRINT???
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 488902 RESPONSE? ?
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988416 PRINT???
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 488902 RESPONSE? ?
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 OR RESPONSE? ?)
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 478 S4
 S8 . 233 ((PRINT??? OR WRIT??? OR WROTE OR OUTPUT???? OR TYPE OR
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 OR REPRESENT???? OR PRODUC???? OR RENDER???? OR YIELD???
 OR VIEW???)) (10N) S4